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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	09/149,718
		Filing Date	September 8, 1998
		First Named Inventor	Games
		Group Art Unit	1632
		Examiner Name	Crouch, D.
Sheet 1 of 16	Attorney Docket Number	ANS 101 CIP (2)	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
dc		4,666,829		Glenner et al.	05-19-1987	
		4,736,866		Leder et al.	04-12-1998	
		4,873,191		Wagner et al.	10-10-1989	
		5,134,062		Blass	07-28-1992	
		5,200,339		Abraham	04-06-1993	
		5,234,814		Card et al.	08-10-1993	
		5,441,870		Seubert et al.	08-15-1995	
		5,547,841		Marotta et al.	08-20-1996	
dc		5,877,399		Hsiao et al.	03-02-1999	

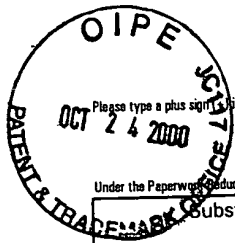
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office. ³	Number ⁴	Kind Code ⁵ (if known)				
dc		EP	0 123 527	B1	The Wistar Institute	01-17-1990		
a		EP	0 171 496	B1	Research Development Corporation of Japan	05-26-1993		
dc		EP	0 173 494	A2	The Board of Trustees of the Leland Stanford Junior University	03-05-1986		
dc		EP	0 184 187	A2	Teijin Limited	06-11-1986		
dc		EP	0 653 154	A2	Hoechst Japan Limited	05-17-1995		
dc		WO	86/01533		Celltech Limited	03-13-1986		

Examine Signature	<i>Deborah Crouch</i>	Date Considered	1/27/01
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dc		WO	87/02671		International Genetic Engineering, Inc.	05-07-1987		
dc		WO	91/16628		The Regents of the University of California	10-31-1991		
dc		WO	92/00521		Case Western Reserve University	01-09-1992		
dc		WO	92/09699		L.F. Will & CIE S.A.	06-11-1992		
dc		WO	94/00569		Genpharm International	01-06-1994		
dc		WO	96/18900		Ramot-Univ. Authority for Applied Research and Industrial Development, Ltd.	06-20-1996		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
dc		"Alzheimer's assault," <i>Science</i> 255(5048):1059 (1992).
dc		ABRAHAM, et al., "A calcium-activated protease from Alzheimer's disease brain cleaves at the N-terminus of the amyloid - protein," <i>Biochem. Biophys. Res. Comm.</i> 174:790-96 (1991).
dc		ALI, et al., "More transgenic mouse studies of Alzheimer amyloid precursor (AAP) proteins and derivatives," <i>Society for Neuroscience Abstracts</i> , 18:1445 (presentation 616.9) (1992).
dc		ALLISON, et al., "Diabetes in transgenic mice resulting from over-expression of class I histocompatibility molecules in pancreatic B cells," <i>Nature</i> (333)6173:529-33 (1988).

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First Named Inventor

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Group Art Unit

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de		ANTAL, et al., "Animal models of Alzheimer's, Parkinson's and Huntington's disease, A minireview," <i>Neurobiology (Bp)</i> 1(2):101-22 (1993).	
		BARTON, "Alteration in brain presenilin 1 mRNA expression in early onset familial Alzheimer's disease," <i>Neurodegeneration</i> 5:213-18 (1996).	
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		BREWER, "A G to C transversion in codon 258 of the -subunit of -hexosaminidase A in an infant Tay-Sachs disease patient," <i>Human Mutation</i> 2:496-97 (1993).	
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		CAIRNS, et al., "A4 protein deposition in familial Alzheimer's disease with the mutation in codon 717 Of the beta A4 amyloid precursor protein gene and sporadic Alzheimer's disease," <i>Neurosci Lett.</i> 149(2):137-40 (1993).	
		CARLSON, et al., "Genetic modification of the phenotypes produced by amyloid precursor protein overexpression in transgenic mice," <i>Human Molecular Genetics</i> 6(11):1951-59 (1997).	
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		CRAWFORD, et al., "Alzheimer's disease untangled," <i>BioEssays</i> (14)11:729 (1992).	
de		DAVIS, et al., "An Alzheimer's disease-linked PS1 variant rescus the developmental abnormalities of PS1-deficient embryos," <i>Neuron</i> 20:603-09 (1998).	

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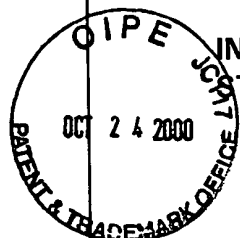
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de		DE STROOPER, et al., "Study of the synthesis and secretion of normal and artificial mutants of murine amyloid precursor protein (APP): cleavage of APP occurs in a late compartment of the default secretion pathway," <i>J Cell Biol.</i> 121(2):295-304 (1993).	
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		DUFF, "Alzheimer transgenic mouse models come of age," <i>TINS</i> 20(7):279-80 (1997).	
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		DUFF, "Recent work on Alzheimer's disease transgenics," <i>Curr Opin Biotech</i> 9:561-64 (1998).	
		DUFF, "Transgenic models for Alzheimer's disease," <i>Neuropathology and Applied Neurobiology</i> 24:101-03 (1998).	
		DUFF, et al., "Increased amyloid- 42(43) in brains of mice expressing mutant presenilin 1," <i>Nature</i> 383:710-13 (1996).	
		ERICKSON, "Model mice. Transgenic animals and Alzheimer's research," <i>Sci Am</i> 265(3):34 (1991).	
		FELSENSTEIN, et al, "Processing of the -amyloid precursor protein carrying the familial, Dutch-type, and a novel recombinant C-terminal mutation," <i>Neurosci Lett.</i> 152:185-89 (1993).	
de		FIDANI, et al., "Screening for mutations in the open reading frame and promoter of the -amyloid precursor protein gene in familial Alzheimer's disease: Identification of a further family with APP717 Val-->Ile," <i>Hum Mol Genet.</i> 1(3):165-68 (1992).	

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de		FISHER, et al., "Expression of the amyloid precursor protein gene in mouse oocytes and embryos," <i>Proc Natl Acad Sci USA</i> 88(5):1779-82 (1991).	
		FORSS-PETTER, et al., "Transgenic mice expressing -galactosidase in mature neurons under neuron-specific enolase promoter control," <i>Neuron</i> 5(2):187-97 (1990).	
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		FUKUCHI, et al., "High levels of circulating -amyloid peptide do not cause cerebral -amyloidosis in transgenic mice," <i>American Journal of Pathology</i> 149(1):219-27 (1996).	
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de		GLENNER, et al., "Alzheimer's disease and Down's Syndrome: Sharing of unique cerebrovascular amyloid fibril protein," <i>Biochem. Biophys. Res. Commun.</i> 122:1131-35 (1984).	

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di		GODING, "Production and application of monoclonal antibodies in cell biology, biochemistry and immunology," in <u>Monoclonal Antibodies: Principles and Practice</u> , Ch. 3, pp. 56-74, (Academic Press, London 1984).	
		GOLDE, et al., "Production of amyloid protein from normal amyloid -protein precursor (APP) and the mutated APPS linked to familial Alzheimer's disease," <i>Ann. N Y Acad. Sci.</i> , 695:103-08 (1993).	
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di		HARDY, "New insights into the genetics of Alzheimer's disease," <i>Ann Med</i> 28(3):255-58 (1996).	

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dc		HARDY, "The Alzheimer family of diseases: many etiologies, one pathogenesis?," <i>Proc Natl Acad Sci USA</i> 94(6):2095-97 (1997).	
		HOEWSCHKE, et al., "The 5'-flanking region of the rat synapsin I gene directs neuron-specific and developmentally regulated reporter gene expression in transgenic mice," <i>J Biol Chem.</i> 268(35):26494-02 (1993).	
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dc		HSIAO, "Transgenic mice expressing Alzheimer amyloid precursor proteins," <i>Experimental Gerontology</i> 33(718):883-89 (1998).	

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dc		HSIAO, "Understanding the biology of -amyloid precursor proteins in transgenic mice," <i>Neurobiology of Aging</i> 16(4):705-06 (1995).	
		HSIAO, et al., "Molecular genetics and transgenic model of Gertsman-Straussler-Scheinker disease," <i>Alzheimer Dis Assoc Disord</i> 5(3):155-62 (1991).	
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dc		JONES, et al., "Mutation in codon 713 of the amyloid precursor protein gene presenting with Schizophrenia," <i>Genetics</i> , 1:306-309 (1992).	

Examiner's Signature	Deborah A. Crouch	Date Considered	1/27/01
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Application Number	09/149,718
Filing Date	September 8, 1998
First Named Inventor	Games
Group Art Unit	1632
Examiner Name	Crouch, D.
Attorney Docket Number	ANS 101 CIP (2)

9 of 16

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
dc		JOYNER, et al., "Gene targeting: A practical approach," Oxford Press (1993).	
		KEFFER, et al., "Transgenic mice expressing human tumour necrosis factor: A predictive genetic model of arthritis," <i>EMBO</i> 10(3):4025-31 (1991).	
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		KONIG, et al., "Identification and differential expression of a novel alternative splice isoform of the BA4 amyloid precursor protein (App) mRNA in leukocytes and brain microglial cells," <i>JBC</i> 267:10804-09 (1992).	
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		KOZLOWSKI et al., "The neurotoxic carboxy-terminal fragment of the Alzheimer amyloid precursor binds specifically to a neuronal cell surface molecule: Ph dependence of the neurotoxicity and the binding," <i>J. Neurosci.</i> , 12(5):1679-87 (1992).	
dc		KULJIS, et al., "Alzheimer-like diffuse amyloid plaques can be induced in transgenic mice expressing human 1-antichymotrypsin," <i>Soc. Neurosci. Abstr.</i> 9(2):1035 (1993).	

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Sheet	10	of	16	Attorney Docket Number	ANS 101 CIP (2)

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dc		KUMAR, "Mutations at codon 717 of the beta-amyloid precursor protein gene are a cause of Alzheimer's disease," <i>Indian J Exp Biol.</i> 30(2):156 (1992).	
		LAMB, et al., "Altered metabolism of familial Alzheimer's disease-linked amyloid precursor protein variants in yeast artificial chromosome transgenic mice," <i>Human Molecular Genetics</i> 6(9):1535-41 (1997).	
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		LUO, et al., "Human amyloid precursor protein ameliorates behavioral deficit of flies deleted for Appl Gene," <i>Neuron</i> 9(4):595-605 (1992).	
		MARX, "New lead to an Alzheimer's mouse?," <i>Science</i> 261(5128):1520 (1993).	
		MCPHEI, et al., "Neuronal expression of -amyloid precursor protein Alzheimer mutations causes intracellular accumulation of a C-terminal fragment containing both the amyloid and cytoplasmic domains," <i>J. Biol. Chem.</i> 272:24743-46 (1997).	

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September 8, 1998

First Named Inventor

Games

Group Art Unit

1632

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Crouch, D.

Attorney Docket Number

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Sheet 11 of 16

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de		MILLER, et al., "Alzheimer's disease: Transgenic models to test new chemicals and pharmaceuticals," <i>Carr Opin Biotechnol</i> 6:683-686 (1992).	
		MUCKE, et al., "High-level neuronal expression of A in wild-type human amyloid protein precursor transgenic mice: Synaptotoxicity without plaque formation," <i>J. Neuroscience</i> 20(11):4050-58 (2000).	
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		Filing Date	September 8, 1998
		First Named Inventor	Games
		Group Art Unit	1632
		Examiner Name	Crouch, D.
Sheet 12 of 16	Attorney Docket Number	ANS 101 CIP (2)	

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			T ²
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	
de		PALMERT, et al., "Soluble derivatives of the B amyloid protein precursor of Alzheimer's disease are labeled by antisera to the B amyloid protein," <i>Biochem. Biophys. Res. Comm.</i> 165:182-88 (1989).	
		PALMERT, et al., "The -amyloid protein precursor of Alzheimer disease has soluble derivatives found in human brain and cerebrospinal fluid," <i>Proc. Natl. Acad. Sci USA</i> 86:6338-42 (1989).	
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de		ROBAKIS, et al., "An alternative secretase cleavage produces soluble Alzheimer amyloid precursor protein containing a potentially amyloidogenic sequence," <i>Soc. Neurosci., Abstract No.</i> 15.5, (1993).	

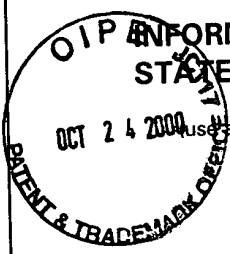
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dc		ROCH, et al., "Biologically active domain of the secreted form of the amyloid beta/A4 protein precursor," <i>Ann N Y Acad. Sci.</i> 695:149-57 (1993).	
		ROSSOR, et al., "Alzheimer's Disease families with amyloid precursor protein mutations," <i>Ann N Y Acad Sci.</i> 695:198-202 (1993).	
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		SAVAGE, et al., "Turnover of amyloid -protein in mouse brain and acute reduction of its by phorbol ester," <i>Journal of Neuroscience</i> 18(5):1743-52 (1998).	
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dc		SCOTT, et al., "Chimeric prion protein expression in cultured cells and transgenic mice," <i>Protein Science</i> 1:986-97 (1992).	

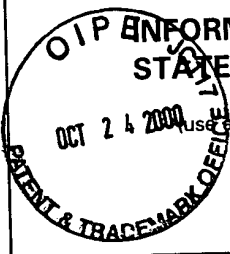
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de		SCOTT, et al., "Inability to detect beta-amyloid protein precursor mRNA in Alzheimer plaque-associated Microglia," <i>Exp. Neurol.</i> , 121(1):113-8 (1993).	
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		SISODIA, "Amyloid precursor protein cleavage by a membrane-bound protease," <i>Proc Natl Acad Sci USA</i> 89(13):6075-79 (1992).	
de		SISODIA, et al., "Amyloidogenesis in Alzheimer's disease: Basic biology and animal models," <i>Curr Opin Neurobiol</i> 2(5):648-52 (1992).	
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de		SMITH, et al., "Amyloid- deposition in Alzheimer transgenic mice is associated with oxidative stress," <i>Journal of Neurochemistry</i> 70(5):2212-15 (1998).	
		SOFRONIEW, et al., "Transgenic modeling of neurodegenerative events gathers momentum," <i>Trends Neurosci.</i> 14(12):513-14 (1991).	
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de		USAMI, et al., "The triplet of lysine residues (Lys724-Lys725-Lys726) of Alzheimer's amyloid precursor protein plays an important role in membrane anchorage and processing," <i>J Neurochem.</i> 61(1):239-46 (1993).	

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Signature

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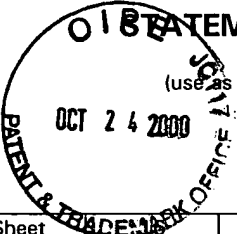
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) 		Application Number	09/149,718
		Filing Date	September 8, 1998
		First Named Inventor	Games
		Group Art Unit	1632
		Examiner Name	Crouch, D.
Sheet 1	of 16	Attorney Docket Number	ANS 101 CIP (2)

OTHER ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
de		VAN DUIJN, et al., "Genetic transmission of Alzheimer's disease among families in a dutch population based study," <i>J Med Genet.</i> 30(8):640-46 (1993).	
		VIDAL, et al., "Sequencing of the Alzheimer's APP gene dutch variant (APP-D)," <i>Hum Mutat.</i> 2(6):496-67 (1993).	
		WANG, et al., "Tissue and development-specific expression of the human phenylalanine hydroxylase/chloramphenicol acetyltransferase fusion gene in transgenic mice," <i>The Journal of Biological Chemistry</i> 267:15105-10 (1992).	
		WELLS, et al., "Human dystrophin expression corrects the myopathic phenotype in transgenic Mdx mice," <i>Human Molecular Genetics</i> 1(1):35-40 (1992).	
		WESTPHAL, "Mouse models of human diseases," <i>Curr Opin Biotechnol.</i> 2(6):830-3 (1991).	
de		ZHANG, et al., "Increased susceptibility to ischemic brain damage in transgenic mice overexpressing the amyloid precursor protein," <i>Journal of Neuroscience</i> 17(20):7655-61 (1997).	

Examiner's Signature	Deborah Ann	Date Considered	1/27/01
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